

### Stacking gel

0.125 M Tris-HCl, pH 6.8      5% acrylamide\*

Larger pores, lower ionic strength

### Running (resolving) gel

0.375 M Tris-HCl, pH 8.8      12% acrylamide\*

Smaller pores, higher ionic strength

\*Investigators adjust the acrylamide concentration to manipulate the gel pore sizes



Tris-Gly pH 8.3



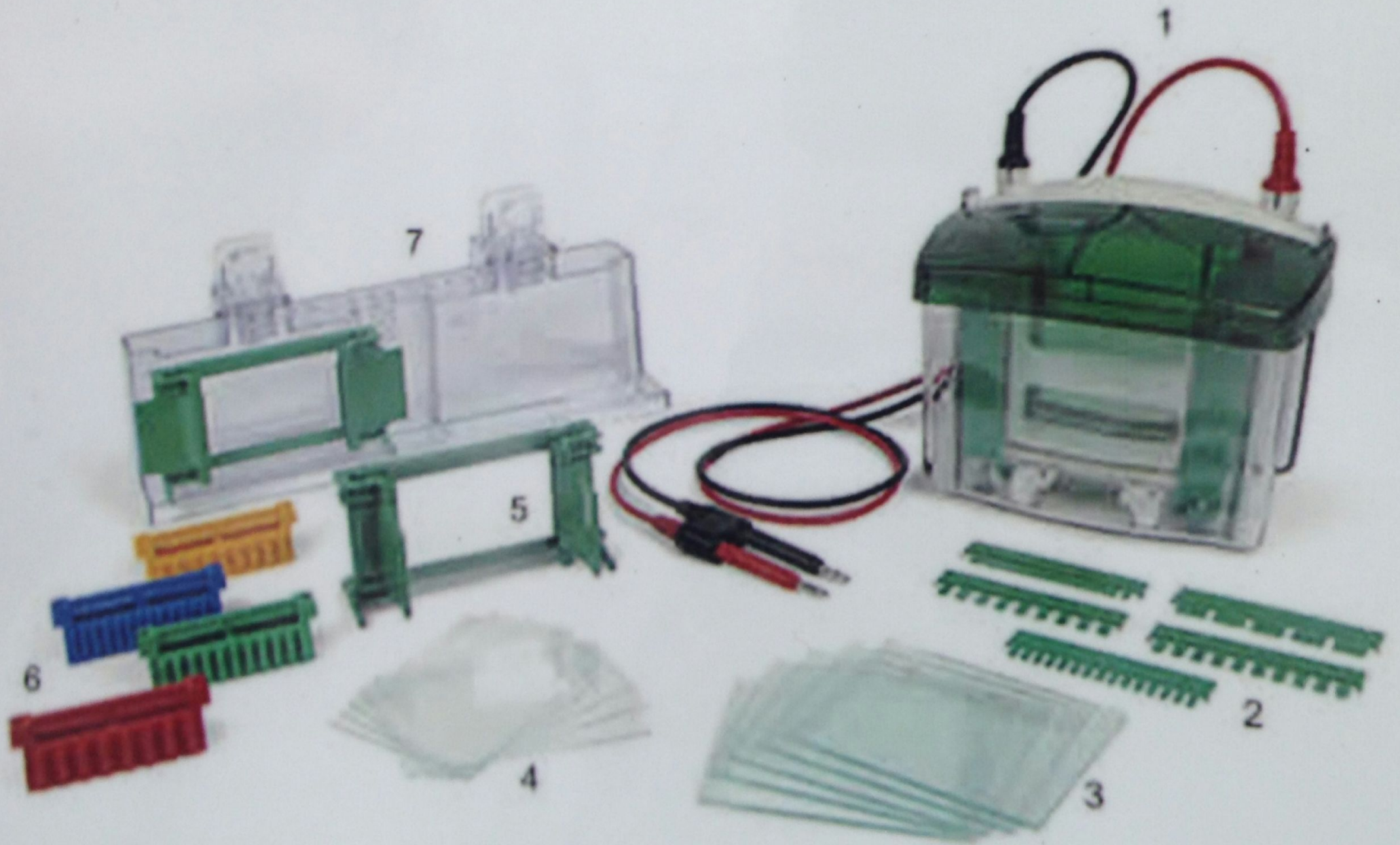
Tris-HCl pH 6.8

Tris-HCl pH 8.8

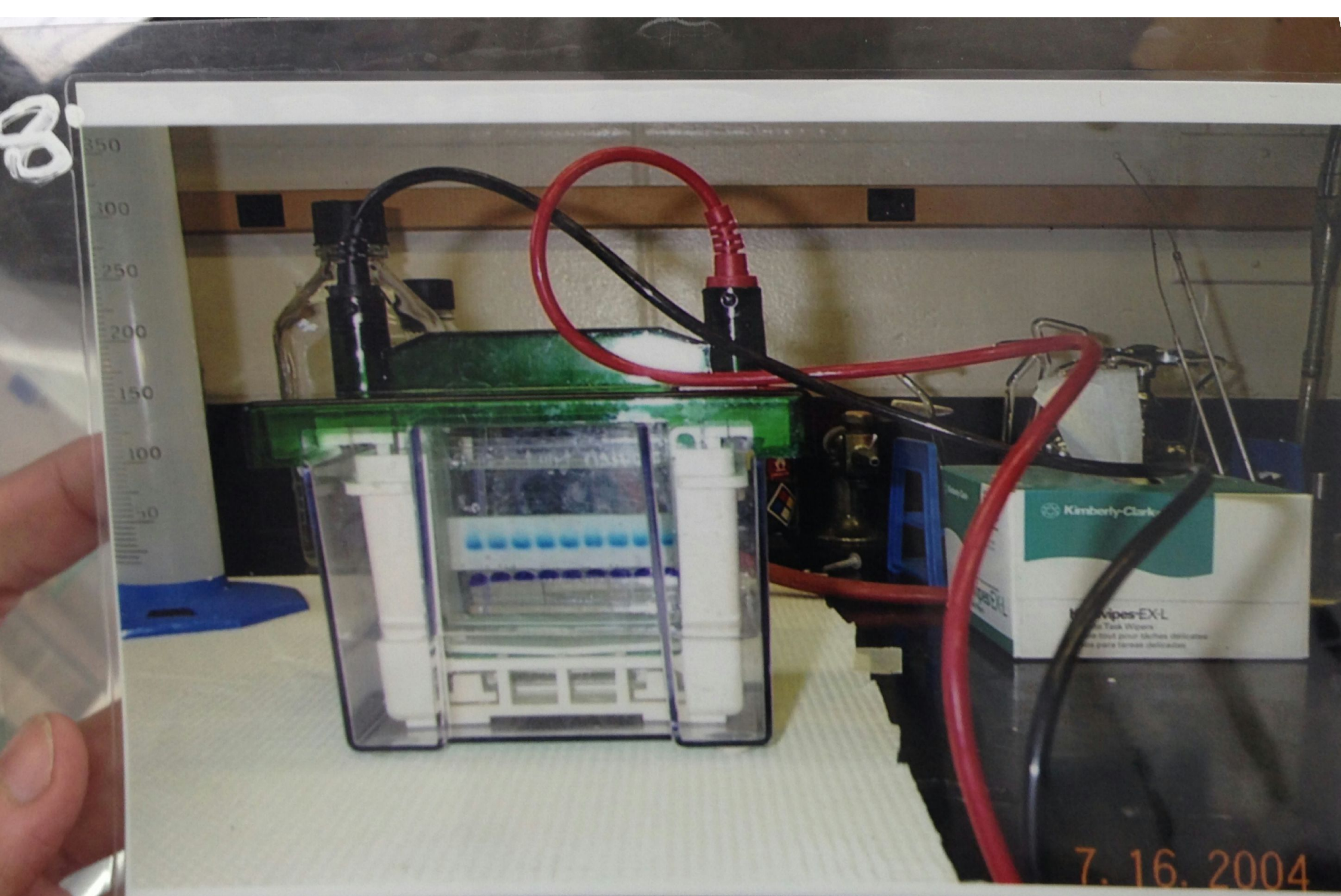
Tris-Gly pH 8.3







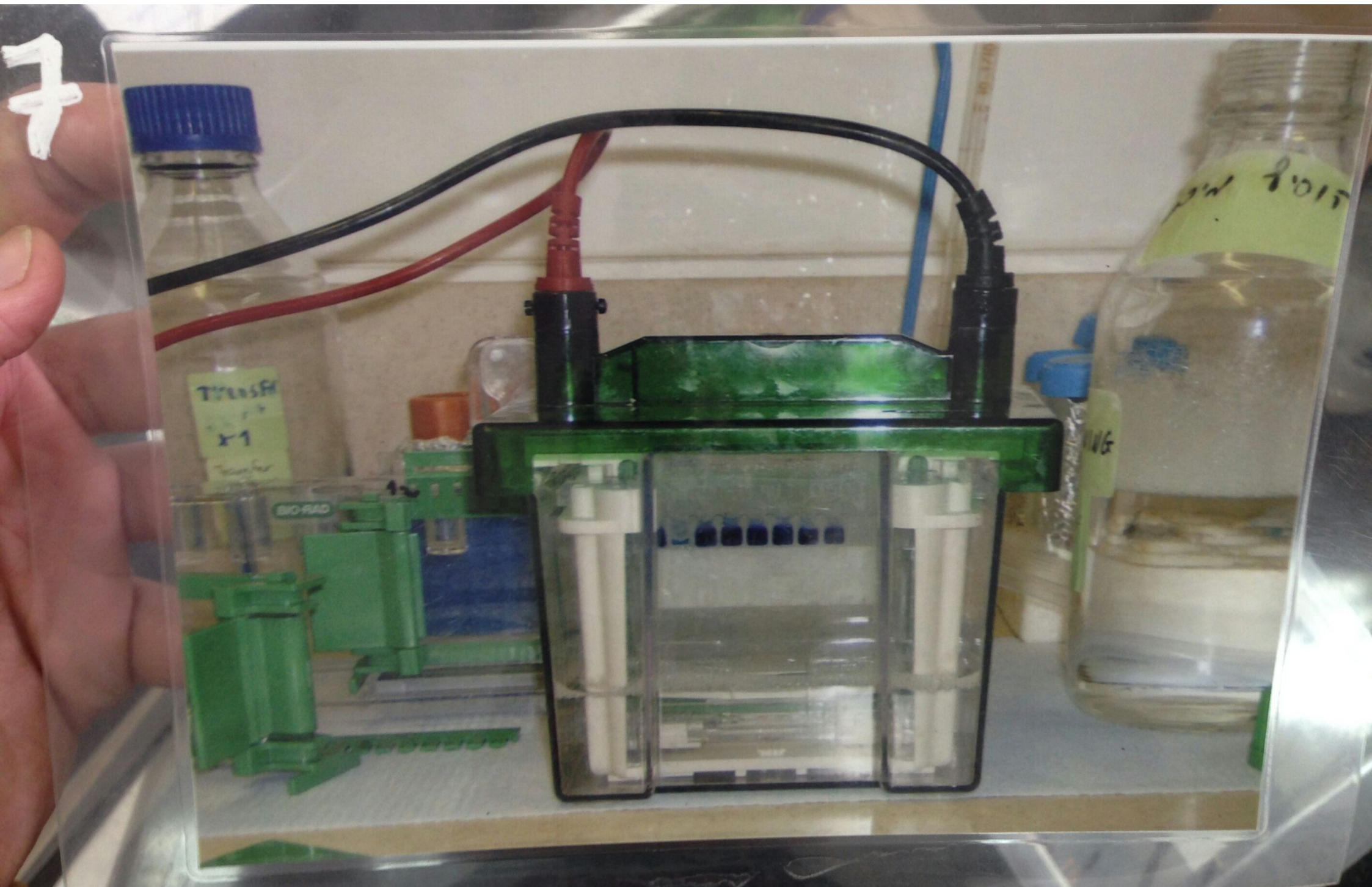




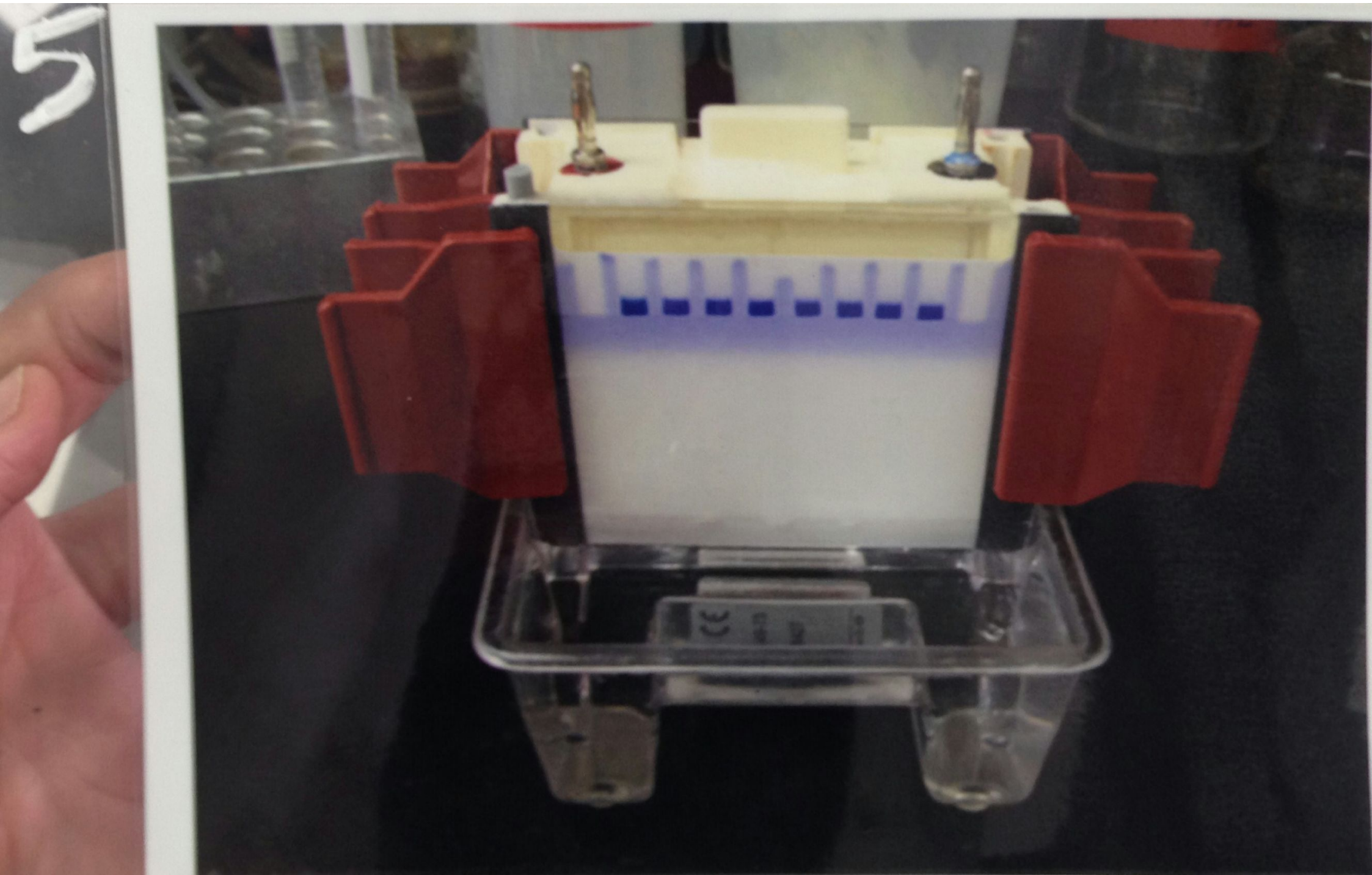










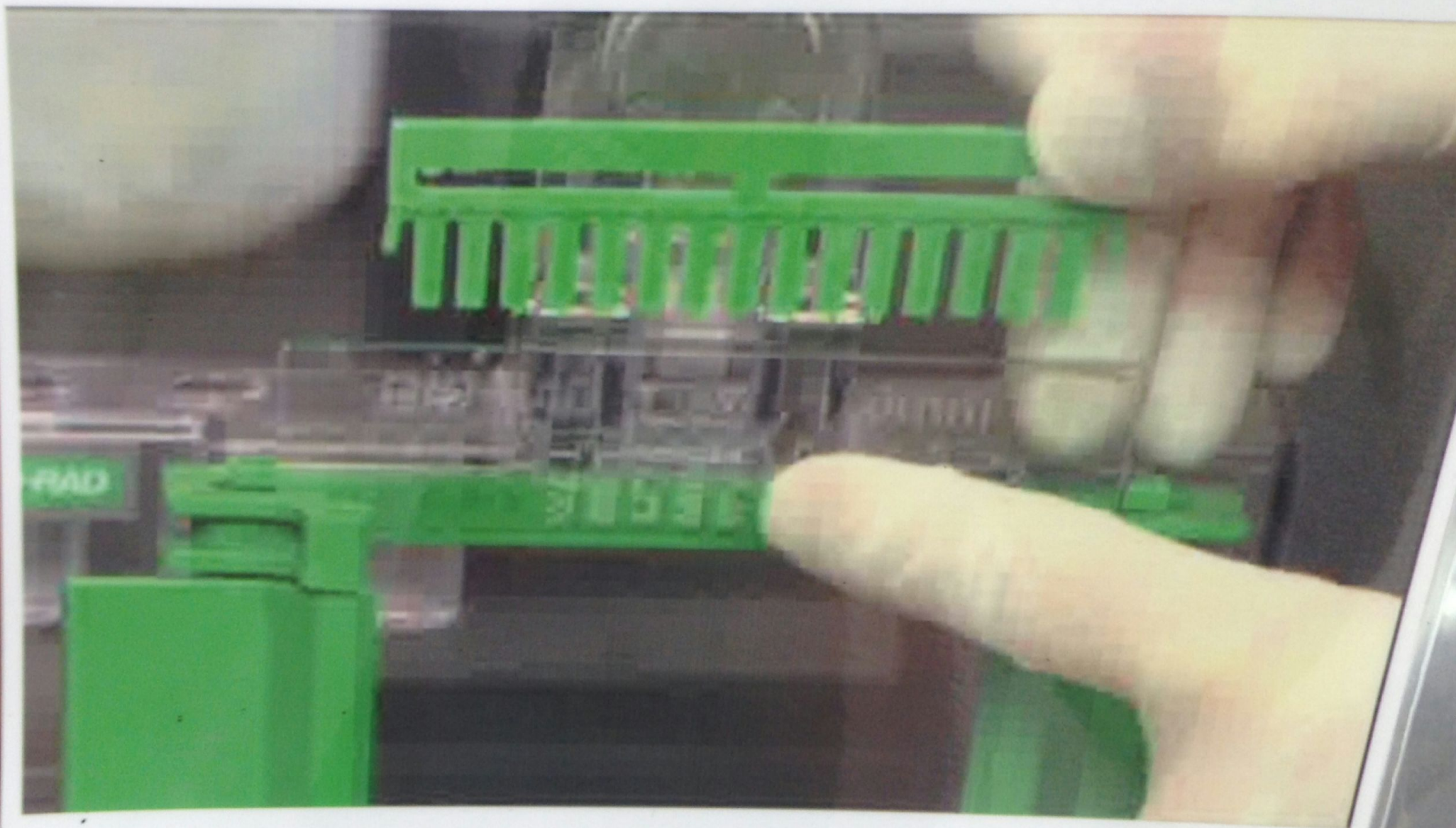




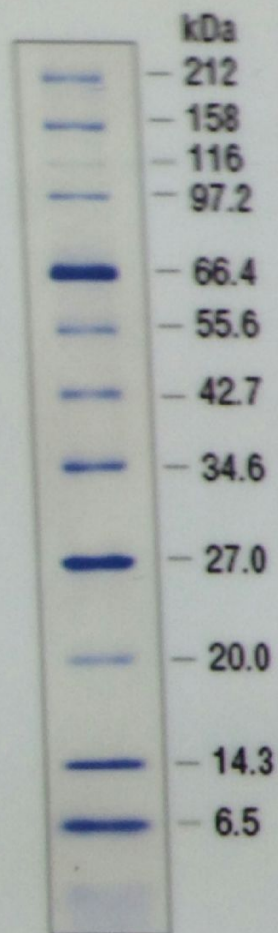




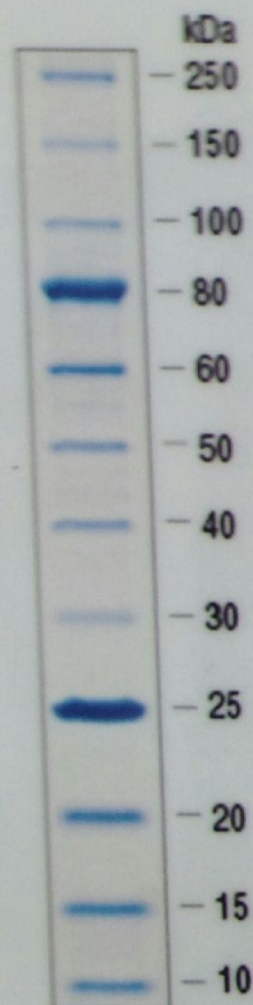
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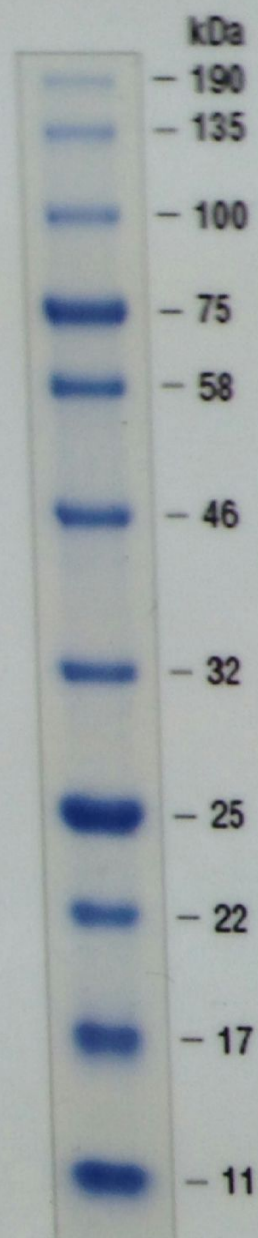




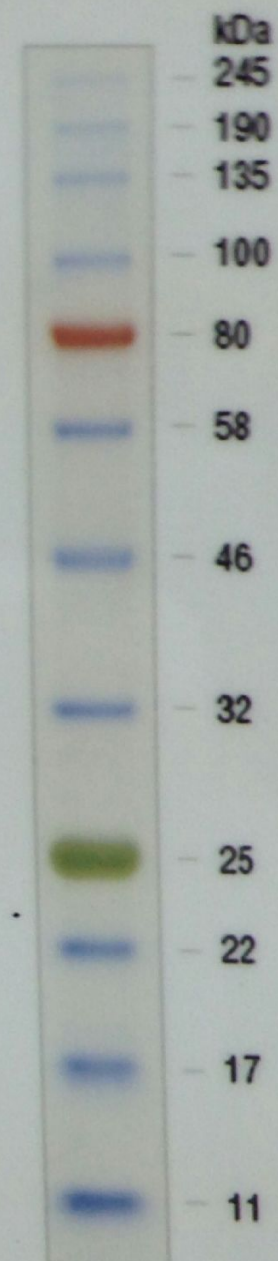
**Protein Marker, Broad Range (2-212 kDa)\***  
10-20% Tris-glycine SDS-PAGE  
NEB #P7702



**Protein Ladder, (10-250 kDa)**  
10-20% Tris-glycine SDS-PAGE  
NEB #P7703



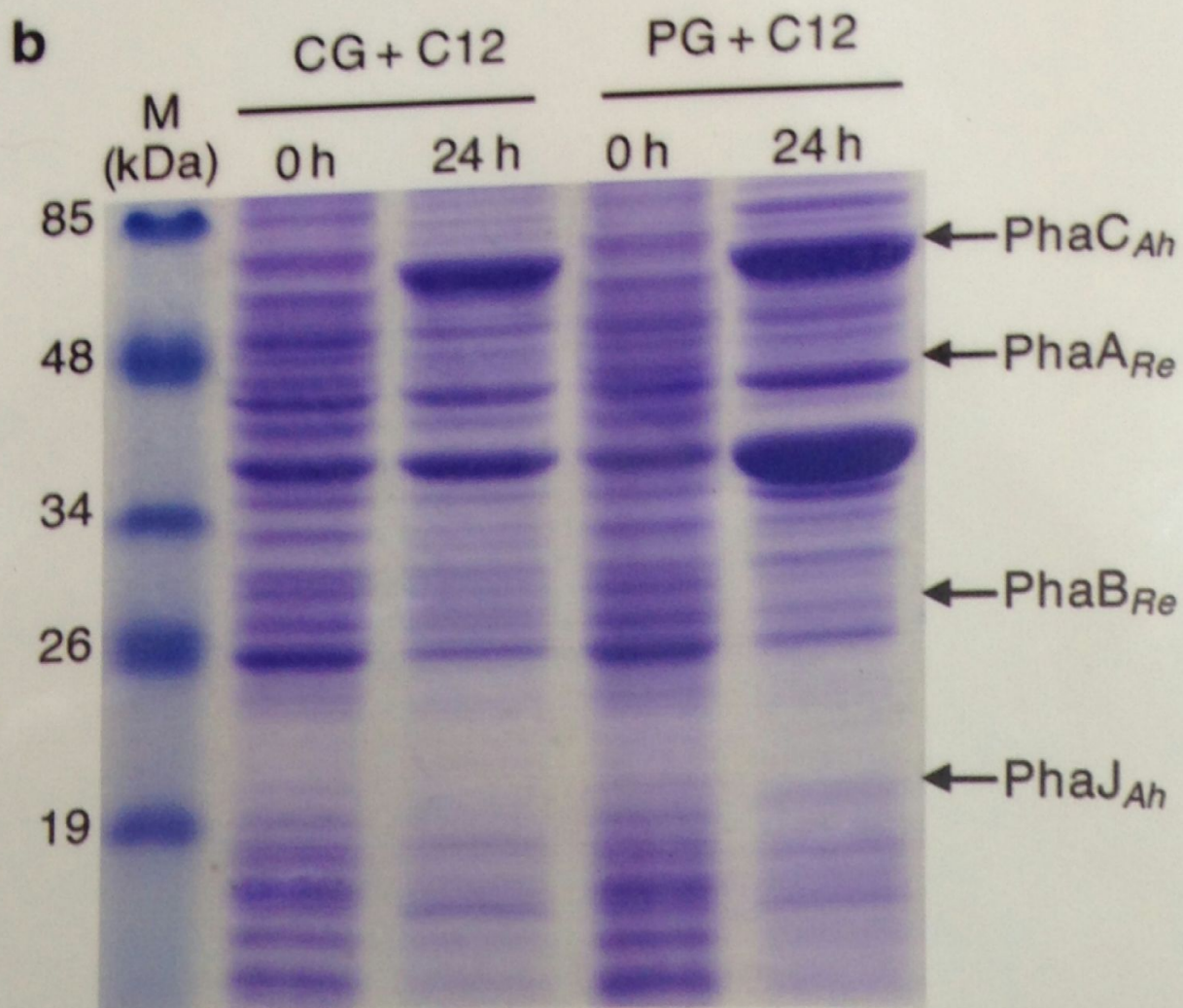
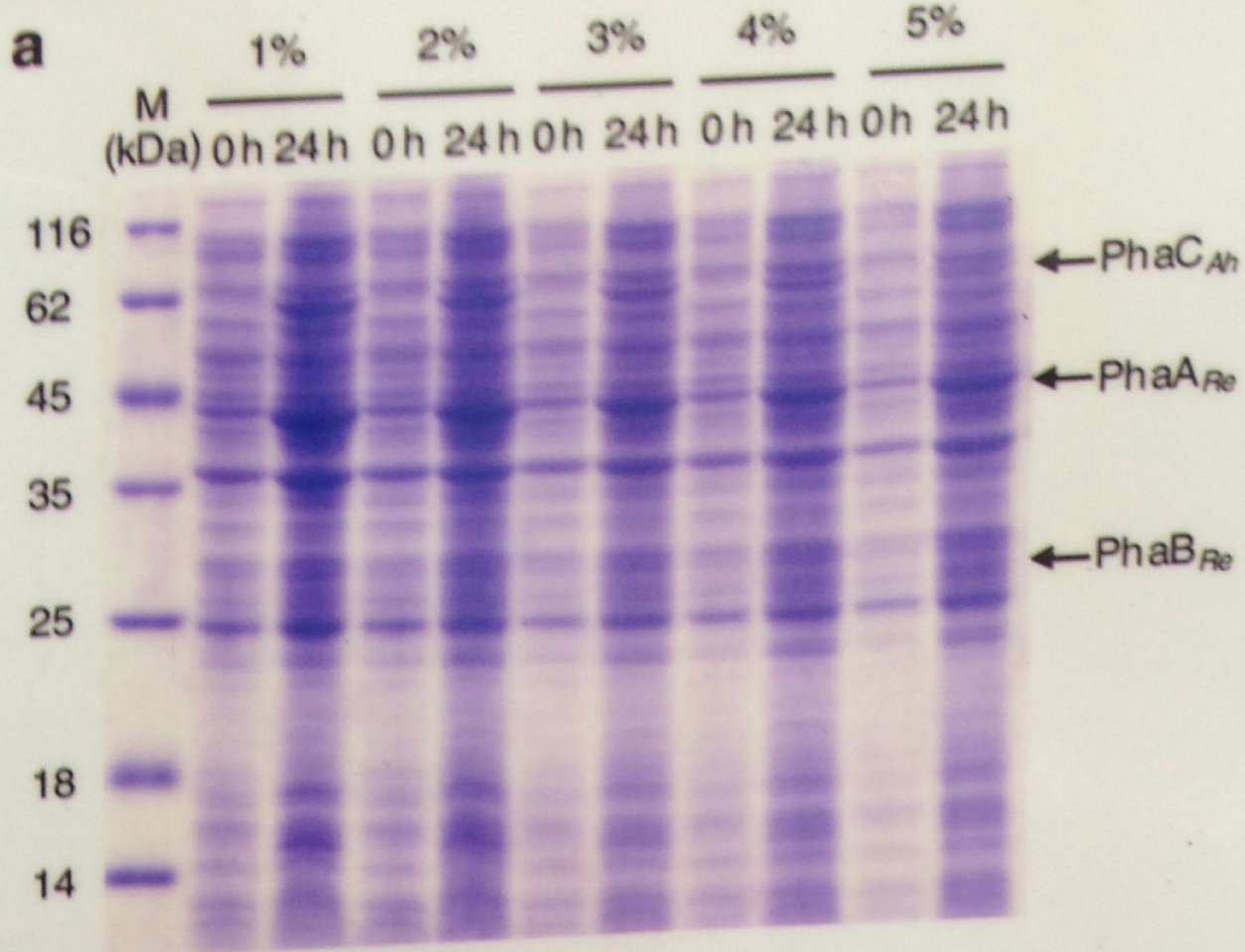
**Blue Protein Standard, Broad Range**  
10-20% Tris-glycine SDS-PAGE  
NEB #P7706



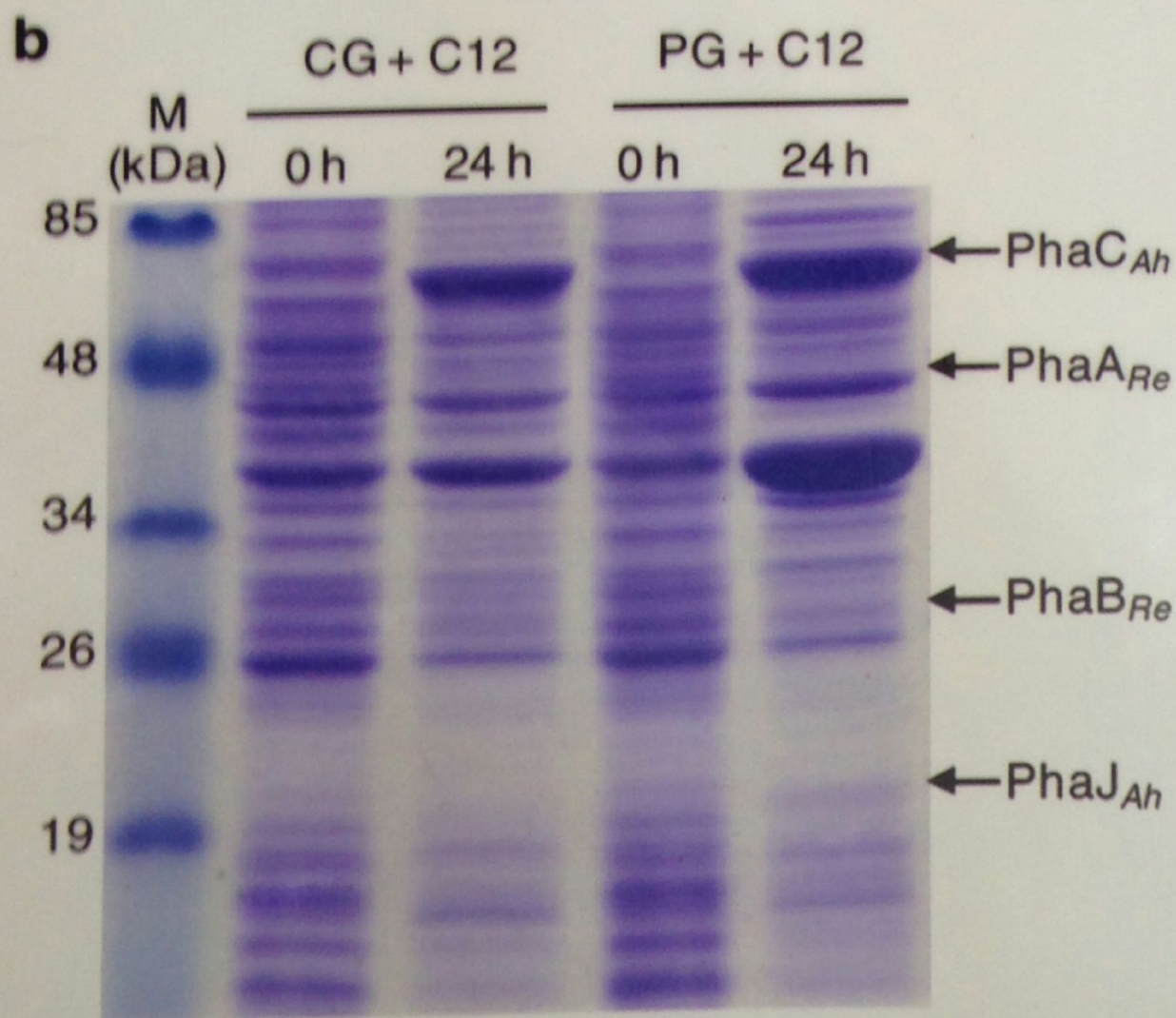
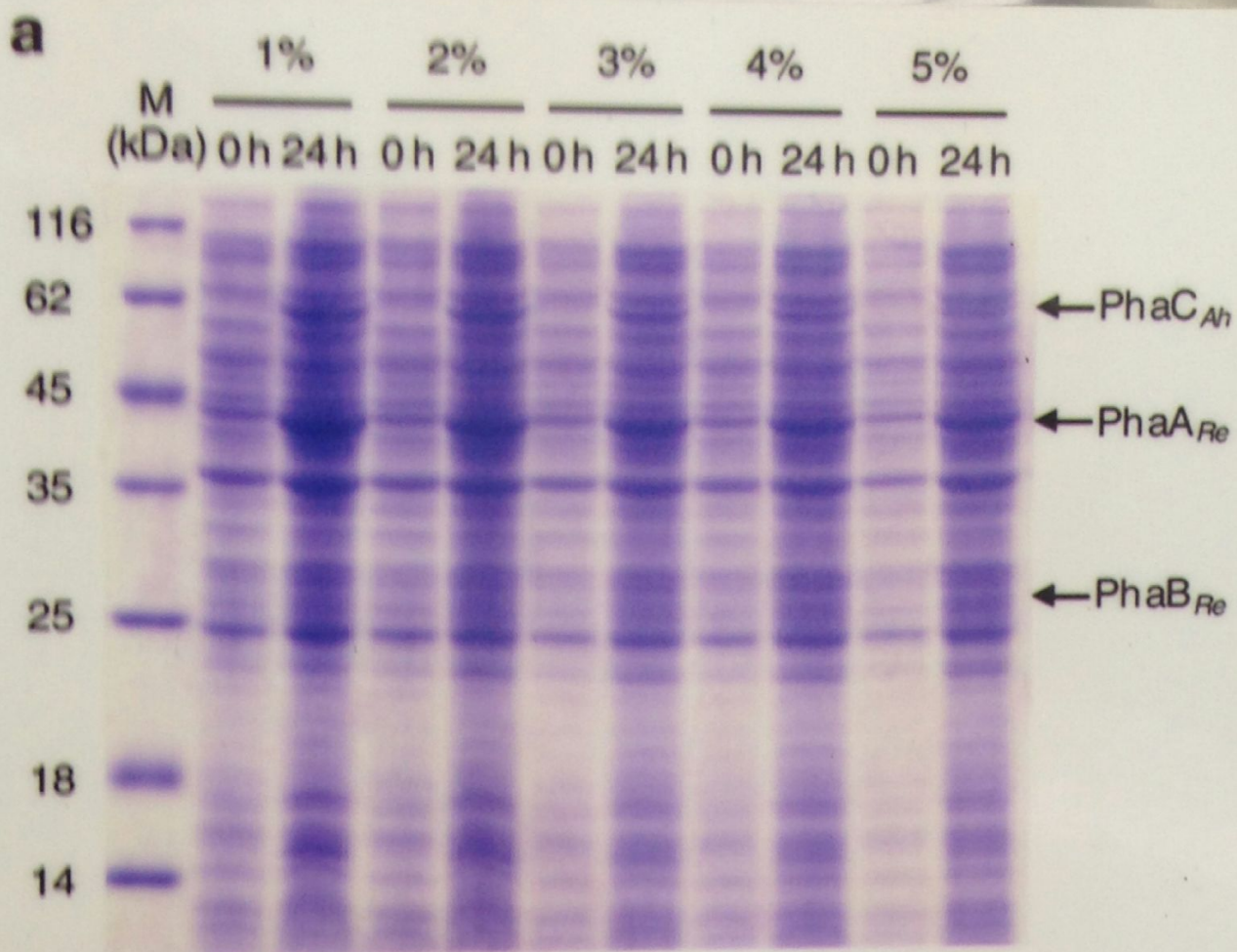
**Color Protein Standard, Broad Range**  
10-20% Tris-glycine SDS-PAGE  
NEB #P7712

\* Note that the 2.3 and 3.4 kDa bands run at the dye front on 10-20% Tris-glycine.



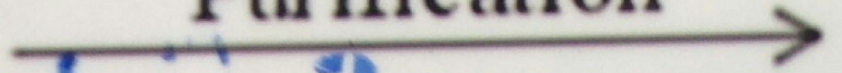








# Protein Purification



50 kDa—  
40 kDa—  
30 kDa—

